PA NT COOPERATION TREAT

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NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year)
06 December 2000 (06.12.00)
International and the state of

International application No. PCT/US00/06905

International filing date (day/month/year)
16 March 2000 (16.03.00)

Applicant's or agent's file reference

IO-1008/PCT

Priority date (day/month/year)
17 March 1999 (17.03.99)

Applicant

MAXWELL, Peter et al

_	
1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	17 October 2000 (17.10.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Nestor Santesso

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 14737.732.02	FOR FURTHER ACTION	OR FURTHER ACTION See Notification of Transmittal of Internation Preliminary Examination Report (Form PCT/IPEA/4)			
International application No.	International filing date (day/month/year) Priority date		Priority date (day/month/year)		
PCT/US00/06905	16 MARCH 2000		17 MARCH 1999		
International Patent Classification (IPC) or national classification and IPC IPC(7): G01V 1/00 and US Cl.: 181/108					
Applicant INPUT/OUTPUT, INC.					
Examining Authority and is 2. This REPORT consists of a This report is also accom	transmitted to the applicant total of sheets. panied by ANNEXES, i.e., s	nt according to	cription, claims and/or drawings which have		
	tion 607 of the Administration		ng rectifications made before this Authority. under the PCT).		
		itams:			
3. This report contains indications relating to the following items: I					
Date of submission of the demand	D	ate of completio	in of this report		
17 OCTOBER 2000		04 JANUARY	2001		
Name and mailing address of the IPEA/ Commissioner of Patents and Trader Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	narks	thorized officer KHANH DA	MM		

International application No.

PCT/US00/06905

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

I.	Ba	sis of	the report	
1	With	recard	to the elements of the international application:*	
* -	X	_	ternational application as originally filed	
	=		escription:	
	X			as originally filed
				, as originally filed , filed with the demand
				with the letter of
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		pages		, as originally filed
				nended (together with any statement) under Article 19
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	لثنا	pages		, as originally filed
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				, as originally filed , filed with the demand
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_	the in These	internat se elem the lan	ional application was filed, unless otherwise indicate ents were available or furnished to this Authority in tanguage of a translation furnished for the purposinguage of publication of the international appliquage of the translation furnished for the purposes of the translation furnished furnished for the purposes of the translation furnished f	which is sees of international search (under Rule 23.1(b))
3.		_	d to any nucleotide and/or amino acid sequence y examination was carried out on the basis of the	disclosed in the international application, the international e sequence listing:
		contai	ned in the international application in printed t	form.
		filed t	ogether with the international application in co	mputer readable form
	\Box	furnis	hed subsequently to this Authority in written fo	rm.
	\Box	furnis	hed subsequently to this Authority in computer	readable form.
		The st	atement that the subsequently furnished written sational application as filed has been furnished.	equence listing does not go beyond the disclosure in the
		The sta	atement that the information recorded in computer rurnished.	eadable form is identical to the writen sequence listing has
4.	X	The a	mendments have resulted in the cancellation o	î:
		X	the description, pages none	
		X	the claims, Nos. none	-
		$\overline{\mathbf{x}}$	the drawings, sheets/fig none	
5.		This -		s had not been made, since they have been considered to go
٠.	Ш		nd the disclosure as filed, as indicated in the Supplem	
*	in th	acemen	t sheets which have been furnished to the receiving Of ort as "originally filed" and are not annexed to thi	fice in response to an invitation under Article 14 are referred to report since they do not contain amendments (Rules 70,16
*				referred to under item 1 and annexed to this report.
	D.C	TUDE	A //00 (Box I) (bily 1008).	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/06905

statement			
Novelty (N)	Claims	1-38	
	Claims	none	И
Inventive Step (IS)	Claims	1-38	Y
	Claims	none	11
Industrial Applicability (IA)	Claims	1-38	Y
	Claims	none	
 NONE	-		

PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To TODD A. BYNUM
MADAN, MOSSMAN & SRIRAM, P.C.
2603 AUGUSTA, SUITE 700
HOUSTON, TEXAS 77057

JAN 2 9 2001

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NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing (day/month/year)

2 5 JAN 2001

Applicant's or agent's file reference

14737.732.02

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority Date (day/month/year)

PCT/US00/06905 (JO-1008 PCT)

16 MARCH 2000

17 MARCH 1999

Applicant

INPUT/OUTPUT, INC.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Commissioner of Patents and Trademarks

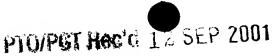
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

- KAMAND CUNEO | | \ \all (\)

Telephone No (703) 308-0211



For receiving Office use only -**PCT** International Application No REQUEST International Filing Date The undersigned requests that the present international application be processed Name of receiving Office and "PCT International Application" according to the Patent Cooperation Treaty Applicant's or agent's file reference (if desired) (12 characters maximum) 14737.732.02 TITLE OF INVENTION Box No. I ACCELEROMETER TRANSDUCER USED FOR SEISMIC RECORDING Box No. II APPLICANT Name and address. (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State This person is also inventor of residence is indicated below.) Telephone No. INPUT/OUTPUT, INC. 281-933-3339 12300 Charles E. Selecman Drive Suite 200 281-552-3157 Stafford, Texas 77477 Teleprinter No United States of America State (that is, country) of residence State (that is, country) of nationality TIS US the United States of America only all designated States except the United States of America the States indicated in all designated States This person is applicant the Supplemental Box for the purposes of. Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State This person is of residence is indicated below.) applicant only MAXWELL, Peter applicant and inventor Houston, Texas inventor only (If this check-box United States of America is marked, do not fill in below) State (that is, country) of residence State (that is, country) of nationality US the States indicated in the Supplemental Box all designated States except the United States of America the United States of America only all designated States This person is applicant for the purposes of Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE Box No. IV The person identified below is hereby/has been appointed to act on behalf common representative agent of the applicant(s) before the competent International Authorities as Name and address. (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) Telephone No 713-547-2000 McCOMBS, David L.; KICE, Warren B.; BECKER, Jeffrey M.; Facsimile No BELL, James R.; BUSH, Michael S.; COLSON, Randall E.; DAVIS, JR., Michael A.; DeLEON, Ruben C.; HEADLEY, Tim; 713-547-2600 IRANI, Rita M.; BALCONI-LAMICA, Michael; MATTINGLY, Todd; O'DELL, David M.; SARFATIS, Brandi W.; SIMMONS, David O.; Teleprinter No Haynes and Boone, LLP, 1000 Louisiana St., Ste 4300,

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the

Houston, Texas 77002, UNITED STATES OF AMERICA

Continuation of Box No. III FURTHER APPLICANT(S) A	ND/OR (FURTHER) II	NVENTOR(S)
If none of the following sub-boxes is used, th	is sheet should not be it	ncluded in the request
Name and address. (Family name followed by given name: for a designation. The address must include postal code and name of count address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) BEHN, Lawrence P. 1011 Crossroads Drive Houston, Texas 77079 United States of America	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality. US	State (that is, country) of US	residence.
This person is applicant all designated all designated		e United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name, for a designation. The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) BEDNAR, Eugene D. 9134 Troulon Drive Houston, Texas 77036 United States of America	legal entity, full official intry. The country of the i) of residence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)
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Name and address. Family name followed by given name; for a designation. The address must include postal code and name of con address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) GANNON, Jeffery C. 743 Last Arrow Drive Houston, Texas 77079 United States of America	legal entity, full official intry. The country of the y) of residence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)
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Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of co address indicated in this Box is the applicant's State (that is, count of residence is indicated below.) CORRIGAN, Michael Arthur 80 Eagle Rock Circle The Woodlands, Texas 77381 United States of America	unory. I ne country of the	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)
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Further applicants and/or (further) inventors are indicated	on another continuation	sheet

Name and additions Family name followed by grown name: for a legal entity, full afficial disputation. The address was contained from the property of the states of the	Continuation of Box No. III FURTHER APPLICANT(S) A	ND/OR (FURTHER) II	NVENTOR(S)		
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Name and address (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country) of residence is indicated below.) POLK, Henry Thomas 12531 Rocky Knoll Houston, Texas 77077 United States of America State (that is, country) of nationality State (that is, country) of nationality State (that is, country) of nationality Name and address (Family name followed by given name; for a legal entity, full official designation of America only (If this check-box is marked, do not fill in below) This person is applicant only (If this check-box is marked, do not fill in below) Name and address (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated below.) ROCHE, Steven L. 6011 Mound Airy Court Sugar Land, Texas 77479 United States of America State (that is, country) of nationality US State (that is, country) of nationality State (that is, country) of residence US This person is applicant and inventor inventor only (If this check-box is marked, do not fill in below) State (that is, country) of residence US This person is applicant and inventor inventor only (If this check-box is marked, do not fill in below) State (that is, country) of residence US This person is applicant and inventor inventor only (If this check-box is marked, do not fill in below) State (that is, country) of residence US This person is applicant and inventor inventor only (If this check-box is marked, do not fill in below) The United States of America The United States of America of America only of America only of America only the Supplemental Box			Linuted States the States indicated in		
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US This person is applicant for the purposes of States all designated all designated States except the United States of America of America only the Supplemental Box	Name and address. (Family name followed by given name: for a designation. The address must include postal code and name of cou address indicated in his Box is the applicant's State (that is, country of residence is indicated below.) ROCHE, Steven L. 6011 Mound Airy Court Sugar Land, Texas 77479	legal entity, full official	applicant only applicant and inventor inventor only (If this check-box		
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Continuation of Box No. III FURTHER APPLICANT(S) A	Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub-boxes is used, this sheet should not be included in the request				
Name and address: (Family name followed by given name: for a lidesignation. The address must include postal code and name of country address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) BERTRAND, Wilfred Roy 11707 Blair Meadow Meadows Place, Texas 77477 United States of America	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
State (that is, country) of nationality: US	State (that is, country) of residence: US			
This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the supplemental Box			
Name and address: (Family name followed by given name; for a lidesignation. The address must include postal code and name of counaddress indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) WILSON, David 4431 Westray Missouri City, Texas 77459 United States of America	regal entity, full official hary. The country of the of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
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Name and address: (Family name followed by given name: for a lidesignation. The address must include postal code and name of coulong address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) CAIN, Byron Lee 14930 Camino Rancho Houston, Texas 77083 United States of America	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)			
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	d States except the United States the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated of				

Sheet No. .. 05

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)				
If none of the following sub-boxes is used, this sheet should not be included in the request.				
Name and address. (Family name followed by given name: for a l designation. The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.) DOWNEY, JR., John C. 11827 Chase Lake Drive Houston, Texas 77077 United States of America	regal entity, full official hory. The country of the office of the offic			
State (that is, country) of nationality: US	State (that is, country) of residence: US			
This person is applicant all designated all designated	States except the United States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a l designation The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) ELDER, Keith Houston, Texas United States of America	regal entity, full official hity. The country of the of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)			
State (that is, country) of nationality:	State (that is, country) of residence: US			
This person is applicant all designated all designated				
Name and address (Family name followed by given name; for a l designation The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country, of residence is indicated below.)	regal entity, full official of the country of the of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below)			
State (that is, country) of nationality:	State (that is, country) of residence:			
	I States except the United States the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country of residence is indicated below.)	legal entity, full official ntry. The country of the office of the offic			
State (that is, country) of nationality:	State (that is, country) of residence			
This person is applicant all designated for the purposes of States all designated the United St	d States except the United States the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated of	on another continuation sheet			

Box No.V DESIGNATION OF STATES						
The following designations are hereby made under Rule 4.5	9(a) (mark the a	oplicable check-boxes, at least one must be marked).				
Regional Patent						
AP ARIPO Patent: GHGhana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT						
RU Russian Federation, TJ Tajikistan, TM Turkmer Convention and of the PCT	A Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT					
EP European Patent: AT Austria, BE Belgium, OK Denmark, ES Spain, FI Finland, FR France, MC Monaco, NL Netherlands, PT Portugal, SESW Convention and of the PCT	European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent					
OA OAPI Patent: BF Burkina Faso, BJ Benin, CF	OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT(if other kind of protection or treatment desired.					
National Patent (if other kind of protection or treatment desire		tted line)				
☑ AE United Arab Emirates	_	Liberia				
AL Albania	⊠ LS	Lesotho				
AM Armenia	··· 🖾 LT	Lithuania				
🔀 AT Austria	… 🖾 ւս	Luxembourg				
AU Australia	⊠ LV	Latvia				
🔀 AZ Azerbaijan	MA MA	Morocco				
BA Bosnia and Herzegovina	= -	Republic of Moldova				
BB Barbados	⊠ MG	Madagascar				
BG Bulgaria		The former Yugoslav Republic of Macedonia				
⊠ BR Brazil						
BY Belarus		Mongolia				
CA Canada		V Malawi				
CH and LI Switzerland and Liechtenstein		Mexico				
⊠ CN China ∴ CR Costa Rica		Norway New Zealand				
X CU Cuba		Poland				
CZ Czech Republic		Portugal				
DE Germany		Romania				
☑ DK Denmark						
DM Dominica	⊠ SD	Sudan				
EE Estonia		Sweden				
ES Spain	- → 🖾 sG	Singapore				
▼ FI Finland	- ⊠ SI	Slovenia				
☑ GB United Kingdom	⊠ sk	Slovakia				
☑ GD Grenada	⊠ sL	Sierra Leone				
GE Georgia		Tajikistan				
GH Ghana		Turkmenistan				
☐ GM Gambia	₩ TR	•				
HR Croatia		Trinidad and Tobago				
⊠ HU Hungary	_					
☐ ID Indonesia	Q UA					
	_	-				
☑ IN India		United States of America				
☐ ☐ IS Iceland	🔯 UZ					
		•				
Democratic February Republic of Rose		Zimbabwe				
KR Republic of Korea	Check	-boxes reserved for designating States which have				
	becom	e party to the PCT after issuance of this sheet.				
LC Saint Lucia		* *				
LK Sri Lanka	_					
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4 9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn bythe applicant at the expiration of that time limit (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)						

Sheet No. 07

Box No. VI PRIORITY C	LAIM	Further pri	ority claims are indicated	I in the Supplemental Box
Filing date	Number		Where earlier applicat	ion is:
of earlier application (day/month/year)	of earlier application	national application: country	regional application:* regional Office	international application receiving Office
item (1) 17 Mar 1999 (17.03.99)	60/125,076	US		
item (2)				
item (3)				
The receiving Office is recof the earlier application(transmit to the International B application was filed with the in is the receiving Office) identi		(1)
Where the earlier application is Convention for the Protection of Ir	an ARIPO application, it	t is mandatory to indicate in the Sich that earlier application was fi	Supplemental Box at least of led (Rule 4.10(b)(u)). See S	ne country party to the Paris
	NAL SEARCHING			
Choice of International Searc (if two or more International Sec competent to carry out the intern the Authority chosen; the two-letter	arching Authorities are attonal search, indicate	Request to use results of ensearch has been carried out by of Date (day/month/year)		
ISA/US	•			
Box No. VIII CHECK LIST	T; LANGUAGE OF	FILING		
This international application of the following number of shee	te	ational application is accompa	nied by the item(s) mark	ced below:
1 -	1. <u>1. 124</u> 1ee 6	calculation sheet		
description (excluding		rate signed power of attorney		A17:
sequence listing part) claims 0	_	of general power of attorney ment explaining lack of signa		ıy.
	,	rity document(s) identified in		
drawings : 3		slation of international applica		
- sedsettee usuug bart	00 7. 🗀 sepa	rate indications concerning de	eposited microorganism (or other biological material
of description	8. 🔲 nucl	eotide and/or amino acid sequ	ence listing in computer	readable form
Total number of sheets: 10	0 9. ⊠ othe	r (specify): \$2,568 Chec	k for filing f	ees; postcard
Figure of the drawings which should accompany the abstract	t:	international application	ENGLISH	
Next to each signature, indicate the na	OF APPLICANT O		one (if such conacity is not obv	nous from reading the request)
Next to each signature, that cale the ha	ume oj træ person signing ur	u the cupocity in which the person si	gris (i) such cupocity is hot our	ious from reducing the requesty.
100/00	.1			
John 11/	ath		March	2000
Todd Matting	ly, Agent		(Da	te)
1	•			
<u> </u>		For receiving Office use only		
 Date of actual receipt of the international application: 	e purported			2. Drawings.
Corrected date of actual re- timely received papers or d the purported international	lrawings completing			received-
4 Date of timely receipt of the corrections under PCT Art	ucle 11(2):			not received
5 International Searching Au (if two or more are compet	ithority ISA /		ittal of search copy delay irch fee is paid.	ed
Date of receipt of the record of by the International Bureau		r International Bureau use onl	у	

This sheet is not part of and does not count as a sheet of the international application

j	PCT 1	For receiving Office use only	
EEE CALC	ULATION SHEET	_	
	to the Request	International application No	
	to the Request		
Applicant's or agent's file reference 147.	37.732.02	Date stamp of the receiving Office	
Applicant			
INPUT/OUTPUT, IN	NC.		
CALCULATION OF PRES	CRIBED FEES		
1 TRANSMITTAL FEE	χ	240.00 T	
2 SEARCH FEE		450.00 S	
International search to be	carried out by US		
(If two or more International application, indicate the name	I Searching Authorities are competent in relation of the Authority which is chosen to carry out the in	n to the international start and sta	
3 INTERNATIONAL FEE			
Basic Fee The international applicat	ion contains 100 sheets		
first 30 sheets	427.00	b1	
	700.00	b2	
remaining sheets a	dditional amount		
Add amounts entered at b	1 and b2 and enter total at B	1,127.00 B	
Designation Fees The international applicat	tion contains all designations		
8	× 92.00 -	736.00 D	
number of designation fe payable (maximum 8)	es amount of designation fee		
	D. J. D. J. Company of the T	1,863.00	
(A = beaute from carrain	3 and Dand enter total at I States are entitled to a reduction of 75%	of the	
l international tee Where th	ne applicant is (or all applicants are) so entite 15% of the sum of the amounts entered at B	ieu, vie	
4 FEE FOR PRIORITY DO		15.00 P	
5 TOTAL FEES PAYABL	E 1, S, I and P, and enter total in the TOTAL	2,568.00 TOTAL	
Aud amounts emercular a	1, 3, 1 and 1, and 0 1101	.0.1.0	
The designation fees at	re not paid at this time		
MODE OF PAYMENT			
authorization to charge deposit account (see b		coupons	
cheque	cash	other (specify):	
postal money order	revenue stamps		
DEPOSIT ACCOUNT AU	THORIZATION (this mode of payment	may not be available at all receiving Offices)	
The RO US_	is hereby authorized to charge the total fee:	s indicated above to my deposit account	
	(this check-box may be marked only if the hereby authorized to charge any deficienc deposit account	conditions for deposit accounts of the receiving Office so permits of the receiving Office so permits or credit any overpayment in the total fees indicated above to	it) is) my
	is hereby authorized to charge the fee for pi Bureau of WIPO to my deposit account	reparation and transmittal of the priority document to the Internat	ional
08-1394	March 2000		
Deposit Account No	Date (day month'year)	Signature Todd Mattingly Reg. 40,2	198



PCT



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 14737.732.02		CTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/mon	h/year) Priority date (day/month/year)			
PCT/US00/06905 .	16 MARCH 2000	17 MARCH 1999			
International Patent Classification (IPC) of IPC(7). G01V 1/00 and US Cl.: 181/1					
Applicant INPUT-OUTPUT, INC					
This international prelimina Examining Authority and is This REPORT consists of a second consists.	transmitted to the applicant acc	en prepared by this International Preliminary ording to Article 36.			
This report is also accomplished amended and are the (see Rule 70.16 and Sect	panied by ANNEXES, i.e., sheets a basis for this report and/or sheet ion 607 of the Administrative Ins	of the description, claims and/or drawings which have containing rectifications made before this Authority ructions under the PCT).			
These annexes consist of a to	tal of sheets				
This report contains indications relating to the following items X Basis of the report					
Date of submission of the demand	Date of	completion of this report			
17 OCTOBER 2000	04 J/	NUARY 2001			
Name and mailing address of the IPEA U		d officer			
Commissioner of Patents and Tradema Box PCT	irks .	ANH DANG! + (1) (1) (2)			
Washington, D.C. 20231 Facsimile No. (703) 305-3230	Telephon				
4 March 1967 - 1977 - 1	[relegition	~ 170 (703) 308-0411			



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/06905

I. Basis of the report					
1. With regard to the elements of the interna	auonal application:*				
X the international application as	• •				
x the description					
pages 1-50	, as originally filed				
pages NONE	, filed with the demand				
pages NONE	, filed with the letter of				
X the claims:	t in con				
Pages	, as originally filed , as amended (together with any statement) under Article 19				
pages NONE	, as amended (together with any statement) under Article 19				
	, filed with the letter of				
X the drawings:					
pages 1-34	, as originally filed				
pages NONE	, filed with the demand				
pages NONE	, filed with the letter of				
X the sequence listing part of the c	description				
	, as originally filed				
	, filed with the demand				
pages NONE	filed with the letter of				
the language of publication of	rnished for the purposes of international search (under Rule 23.1(b)), the international application (under Rule 48.3(b)), hished for the purposes of international preliminary examination (under Rules 55.2 and/				
3 With regard to any nucleotide and/or preliminary examination was carried	r amino acid sequence disclosed in the international application, the international out on the basis of the sequence listing.				
contained in the international a	pplication in printed form				
	onal application in computer readable form.				
furnished subsequently to this A					
	•				
furnished subsequently to this Authority in computer readable form					
The statement that the subsequent international application as filed	tly furnished written sequence listing does not go beyond the disclosure in the has been furnished				
The statement that the information been turnished	recorded in computer readable form is identical to the writen sequence listing has				
4. X The amendments have resulted	in the cancellation of				
X the description, pages	none				
1 3 1					
X the claims. Nos X the drawings, sheets-fig	none				
- —					
This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)) **					
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)					
**Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.					



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/06905

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;

citations and explanations supporting such statement					
1. statement					
Novelty (N)	Claims	1-38	YES		
	Claims	none	NO		
Inventive Step (IS)	Claims	1-38	YES		
	Claims	none	NO NO		
Industrial Applicability (IA)	Claims	1-38	YES		
••	Claims	none	NO		
2. citations and explanations (Rule 7					
for acquiring seismic data comprising one or	more sensor m s one or more a	e), because the prior art does not teach or fairly su- odules and one or more seismic recorders coupled accelerometers, and wherein the accelerometers ha	to the sensor		
NONE					



INTERNATIONAL SEARCH REPORT



International application No. PCT/US00/06905

	SSIFICATION OF SUBJECT MATTER						
IPC(7) : G01V 1/00 US CL : 181/108							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum d	locumentation searched (classification system follower	d by classification symbols)					
U.S. :	181/110-113, 118-120, 122, 124						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic o	data base consulted during the international search (na	ame of data base and, where practicable,	search terms used)				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where ap	Relevant to claim No.					
A	US 4,437,175 A (BERNI) 13 March 1	1-38					
Α	US 4,210,897 A (HUTCHINS) 01 July	1-38					
į							
Further documents are listed in the continuation of Box C. See patent family annex.							
• Sp	ecial categories of cited documents	"T" later document published after the inte					
	cument defining the general state of the art which is not considered be of particular relevance	date and not in conflict with the app the principle of theory underlying the					
'L' do	ther document published on or atter the international filing date current which may throw doubts on priority claim(s) or which is	"X" document of particular relevance, the considered novel or cannot be considered to the when the document is taken alone.					
cited to establish the publication date of another citation or other special reason (as specified) **O** document referring to an oral disclosure, use, exhibition or other		"Y" document of pirticular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination					
P do	eans cument published prior to the international filing date but later than priority date claimed	document member of the same paten					
	actual completion of the international search	Date of mailing of the international search report					
14 JULY 2000		0 2 AUG 2000					
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT		Authorized officer / KHANH DANG/ MCKCless					
r acautitie IA	lo. (703) 305-3230	Telephone No. (703) 308-0211					